

## SYLLABUS OF GENETIC COURSES ON BIOLOGY STUDY PROGRAM

Description :

*Mendel Inheritance. The principle of segregation, dominance, recessive. The principle of cell division, Chromosome theory. Lethal gene, Double alleles, Sex Chromosomes. Crossing over. Gene and chromosome mutation. Extra-chromosomal inheritance. Genes and DNA. Protein synthesis. Population genetics.*

References :

1. Anthony J, Griffith. Jeffrey J. Miller, David T. Suzuki, Richard C. Lewontin, William M. Gilbert 1993. An Introduction To Genetic Analysis.
2. Adisewoyo, S.S. 2004. Genetika Strata 1. Gadjah Mada University Press. Yogyakarta.
3. Fairbanks & Andersen, 1999. Genetics The Continuity Of Life. Brooks/Cole Publishers. Toronto.
4. Gardner, E.J. & Snustad, D.P. 1984. Principles Of Genetics. John Wiley And Sons, Inc. Canada.
5. Karvita. B. Akhwalia. 1985. Genetics. Wiley Eastern Limited.
6. Stansfield, W.D. 1983. Theory And Problems Of Genetics. Mcgraw-Hill. New York.